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Application Serial No. 10/714,221
Reply to Office Action of October 7, 2004

PATENT
Docket: CU-3452

Amendments To The Claims

The listing of claims presented below will replace all prior versions, and listings, of claims in the application.

Listing of claims:

1-8. (cancelled)

9. (currently amended) ~~The liquid crystal display as set forth in claim 1, A~~

liquid crystal display comprising:

an upper substrate;

a lower substrate;

a planar pixel electrode having a plurality of slits formed in accordance with a predetermined pattern on the lower substrate;

a valley formed in a color filter of the upper substrate covered with a transparent electrode, and having a predetermined angle with respect to the slits of the pixel electrode;

vertical alignment material formed on opposite faces of the upper and lower substrates;

a liquid crystal layer formed in between the upper and lower substrates; and
polarizers arranged on outer faces of the upper and lower substrates, and having transmission axes which are perpendicular to each other, wherein one of the polarizers arranged in the outer faces of the upper and lower substrates has an angle of about 30 to 60 degrees with respect to the slits or the valley.

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10. (new) The liquid crystal display as set forth in claim 9, wherein the slits formed in the lower substrate are arranged with respect to the valley formed in the upper plate at an angle of about 0 to 90 degrees.

11. (new) The liquid crystal display as set forth in claim 9, wherein the slits formed in the lower substrate are arranged with respect to the valley formed in the upper plate at an angle of about 0 to 45 degrees.

12. (new) The liquid crystal display as set forth in claim 9, wherein the slits formed in the lower substrate have a width within about 5 μm , and the valley formed in the upper substrate has a width of about 5 to 20 μm .

13. (new) The liquid crystal display as set forth in claim 9, wherein the slits formed in the lower substrate and the valleys formed in the upper substrate are arranged in a zigzag or crossed configuration to define multiple domains.

14. (new) The liquid crystal display as set forth in claim 9, further comprising uniaxial or biaxial phase compensation plates between the lower substrate and one of the polarizers and between the upper substrate and the other one of the polarizers, wherein the uniaxial phase compensation plate has an Rth value ranging from about 40 to 800nm, and the biaxial phase compensation plate has an Rth value ranging from about 150 to 200 nm.

15. (new) The liquid crystal display as set forth in claim 9, wherein the liquid crystal layer has a thickness of about 2 to 6 μm , and multiplication of the liquid crystal layer thickness and index of refraction anisotropy has a value of about 200

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to 500 nm.

16. (new) The liquid crystal display as set forth in claim 9, wherein the liquid crystal has negative dielectric anisotropy ranging from about -2 to -10.